

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave.St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-005042**Date Inspected:** 02-Dec-2008**Project Name:** SAS Superstructure**OSM Arrival Time:** 1330**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 2230**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

CWI Name:	NA			CWI Present:	Yes	No	
Inspected CWI report:	Yes	No	N/A	Rod Oven in Use:	Yes	No	N/A
Electrode to specification:	Yes	No	N/A	Weld Procedures Followed:	Yes	No	N/A
Qualified Welders:	Yes	No	N/A	Verified Joint Fit-up:	Yes	No	N/A
Approved Drawings:	Yes	No	N/A	Approved WPS:	Yes	No	N/A
				Delayed / Cancelled:	Yes	No	N/A

Bridge No: 34-0006**Component:** OBG Fabrication**Summary of Items Observed:**

OBG Bay #7

The QA Inspector performed random final visual and ultrasonic (UT) inspections of OBG floor beams welds FB009-011-045, FB011-011-045, FB009-010-045,FB016-021-045, FB020-003-021, 078, 079, 080, 081, 101, 108, 117, 122, 125, 126 and 127. The QA Inspector observed the welds that were ultrasonically inspected by this QA Inspector appear to comply with AWS D1.5 UT requirements. For additional information on these inspections see the TL6027 Ultrasonic Test Report.

The QA Inspector performed random final visual and ultrasonic (UT) inspections of OBG longitudinal diaphragm welds LD033-001-022, LD033-001-025, LD034-001-025, LD025-001-011, LD025-001-012, LD030-001-020, LD030-001-023, LD030-001-027, LD030-001-030, LD030-001-031, LD029-001-022, LD029-001-023, LD029-001-024, LD029-001-027, LD029-001-030, LD029-001-31, LD026-001-011 and LD026-001-012. The QA Inspector observed the welds that were ultrasonically inspected by this QA Inspector appear to comply with AWS D1.5 UT requirements. These welds are listed on ZPMC Notification of Witness Inspection document 1530. For additional information on these inspections see the TL6027 Ultrasonic Test Report.

Caltrans QA Office

The QA Inspector performed a review of radiograph film for edge plate welds EP076-001-035 view 2-5; EP088-001-035 view 5-8; EP072-001-001 view 4-7 and EP084-001-001 view 3-6. All radiography films appear to comply with project specifications. A separate TL-29 "Radiographic Film Review" report will be issued to

WELDING INSPECTION REPORT

(Continued Page 2 of 2)

document this inspection and Caltrans lot number B63-002-08 has been assigned to document this review.

Assembly Bay

The QA Inspector performed random final visual and ultrasonic (UT) inspections of OBG longitudinal diaphragm welds SEG023C-002, SEG23C-033, SEG23C-020, SEG023B-002 and SEG023B-025. The QA Inspector observed the welds that were ultrasonically inspected by this QA Inspector appear to comply with AWS D1.5 UT requirements. These welds are listed on ZPMC Notification of Witness Inspection document 1515. For additional information on these inspections see the TL6027 Ultrasonic Test Report

Summary of Conversations:

See above.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Ady Velasco 13816942685, who represents the Office of Structural Materials for your project.

Inspected By:	Dawson,Paul	Quality Assurance Inspector
Reviewed By:	Carreon,Albert	QA Reviewer
